

MATHEMATICS OFFERINGS

Courses are listed in the year a student typically takes the classes.

9th Grade Offerings

Algebra 1 (ALG1)

Introduces algebraic concepts; emphasizes the theory and application of variables, graphing, linear equations and inequalities, radical expressions, and quadratics; solving problems using quadratic equations, calculators, and computers.

Grade Level: 9

Units: $\frac{1}{2}$ unit per semester or 1 Unit per semester

Mathematics I (MATH1)

This course is the first course in the college-preparatory sequence for mathematics. It covers topics from Algebra, Geometry, and Statistics in the traditional curriculum.

Grade Level: 9

Units: $\frac{1}{2}$ unit per semester or 1 Unit per semester

10th Grade Offerings

Geometry (GEO)

Provides a visual approach to conceptualizing and uses informal and formal logical reasoning processes including deductive and inductive reasoning, synthetic, coordinate, and transformational approaches to study congruence, similarity, parallelism, symmetry, and perpendicularity. The integration of algebraic skills and concepts to solve geometric problems is stressed.

Grade Level: 10

Units: $\frac{1}{2}$ unit per semester or 1 Unit per semester

Mathematics II (MATH2)

This course is the second course in the college-preparatory sequence for mathematics. It covers topics from Geometry, Algebra II, and Statistics in the traditional curriculum, and is designed for the student who has passed Math 1.

Grade Level: 10

Units: $\frac{1}{2}$ unit per semester or 1 Unit per semester

11th Grade Offerings

Algebra 2 (ALG2)

Extends Algebra I skills. It uses calculators and computers to assist problem solving. This course emphasizes polynomial, exponential, and logarithmic functions and the extension of number to irrational and complex numbers. It covers in-depth graphing, systems of linear equations and inequalities, and quadratics. Finally, it introduces probability, statistics, sequences, and series.

Grade Level: 11

Units: $\frac{1}{2}$ unit per semester or 1 Unit per semester

Mathematics III (MATH3)

This course is the third course in the college-preparatory sequence for mathematics. It covers topics from Geometry, Algebra II, and Statistics in the traditional curriculum, and is designed for the student who has passed Math 2.

Grade Level: 11

Units: $\frac{1}{2}$ unit per semester or 1 Unit per semester

12th Grade Offerings

Algebra 3 (ALG3)

This is a college-preparatory course for students who have passed Algebra II and Geometry. Algebra III can serve as the fourth course in the college-preparatory sequence. Course topics include sequences, series, matrices, determinants, systems, functions, conic sections, trigonometry, statistics, and probability.

Grade Level: 12

Units: $\frac{1}{2}$ unit per semester or 1 Unit per semester

Mathematics IV (MATH4)

This course is the fourth course in the college-preparatory sequence for mathematics. It covers topics from Advanced Algebra, Trigonometry, and Statistics in the traditional curriculum, and is designed for the student who has passed Math 3.

Grade Level: 12

Units: $\frac{1}{2}$ unit per semester or 1 Unit per semester

Business Mathematics & Money Management (MOMT)

This course will challenge students to examine math applications relating to monetary experiences encountered in their personal life and business interactions. Course topics include wages and salary, budgeting, banking, rent, home ownership, taxes, purchasing, savings, investments, insurance, borrowing, recreation, and consumer rights and responsibilities.

Grade Level: 9-12

Units: 1 Unit per semester

LANGUAGE ARTS OFFERINGS

9th Grade Literature/Composition (ENG9)

This course is a college prep class which integrates composition, grammar and literature. It covers the writing process. The development of vocabulary, speaking, listening and researching skills will also be included.

Grade Level: 9

Units: ½ unit per semester or 1 Unit per semester

10th Grade Literature/Composition (ENG10)

This course is a college prep class which integrates composition, grammar and literature. It covers the writing process. The development of vocabulary, speaking, listening and researching skills will also be included.

Grade Level: 10

Units: ½ unit per semester or 1 Unit per semester

American Literature/Composition (ENG11)

This course is a college prep class which surveys American works and authors and will provide writing experiences related to the interpretation of literature. Grammar, vocabulary development, listening, speaking and research will also be included.

Grade Level: 11-12

Units: ½ unit per semester or 1 Unit per semester

British Literature/Composition (ENG12)

This course is a college prep course which surveys British works and authors and provides writing experiences related to the interpretations of literature. Grammar, vocabulary development, listening, speaking and research will also be included.

Grade Level: 12

Units: ½ unit per semester or 1 Unit per semester

SOCIAL STUDIES OFFERINGS

Principles of Economics (ECO)

This course studies of fundamental concepts and essential elements of the market economic system in a problem/issues orientation. Focus areas include opportunity costs and scarcity, supply/demand analysis, competitive markets, macroeconomics measurement, business cycles, inflation, unemployment, monetary and fiscal policies, and international trade.

Grade Level: 9

Units: ½ unit per semester or 1 Unit per semester

American Government (GOV)

This studies the local, state, and federal governmental functions. Citizenship rights and responsibilities are emphasized. Focus areas include development of our political system, federalism, civil liberties, political parties, political theory and comparative government. Also, the functions of our executive, legislative, and judicial branches of govt. will be studied.

Grade Level: 9

Units: ½ unit per semester

U.S. History (USHI)

This course is a survey of the development of the United States from discovery through the present. The purpose of this course is to increase knowledge, awareness, and appreciation of America's social, political, and economic evolution from colonization to its current position as a world leader. The student will also be encouraged to think independently.

Grade level: 10-12

Units: ½ unit per semester or 1 Unit per Semester

World History (WOHI)

This course is a survey of people and nations of both Western and non-Western civilizations. This course explores the political, cultural and economic heritage of civilizations from the time of recorded history to present. Concepts and skills in problem solving and critical thinking are developed.

Grade Level: 10-12

Units: ½ unit per semester or 1 Unit per semester

Psychology (PSY)

This course gives a general overview of the principles and concepts of psychology, including learning theory, perception, intellectual, and social development, abnormal behavior, and interpersonal relationships. The purpose of this course is to provide students with a better understanding of the dynamics that shape our own behaviors as well as the behaviors of others.

Grade Level: 12

Units: ½ unit per semester or 1 Unit per semester

SCIENCE OFFERINGS

Environmental Science (ENSC)

This course is designed as an integrated and global approach to science and technology. The concepts in this course focus on the links between living things, their surroundings, and the total environment of the planet. The scientific principles and related technology will assist the student in understanding the relationships between local, national, and global environmental issues. The

intent of the course is to help individuals become informed, get involved, and care for one's self and the environment.

Prerequisites: 1 Unit Bio, 1 Unit Phys or Phys Sci.

Grade Level: 11-12

Units: ½ unit per semester or 1 Unit per semester

Biology (BIO)

This is a recommended course in which the students will learn and understand biological functions and systems on the cellular, genetic, evolutionary, systematic, and ecological levels. Students will also be able to implement applications of biological processes to everyday situations.

Grade Level: 9-12

Units: ½ unit per semester or 1 Unit per semester

Chemistry (CHEM)

This class is the study of the structure, properties and functions of matter, and is the foundation for a variety of fields of study and careers in industry and business. Because of the abstract nature of atoms and molecules there is a strong conceptual component in its study, including both qualitative and quantitative laboratory work and some mathematical analysis.

Grade Level: 10-12

Units: ½ unit per semester or 1 Unit per semester

Physics (PHYS)

This class is a detailed conceptual study of energy and its relation to matter, beginning with mechanics (the study of motion) and extending to nuclear, sound, and electromagnetic energies. Electromagnetic energies include optics, electricity and magnetism. This course will satisfy the graduation requirement of 1/2 unit per semester of a physical science course or may be used as a regular science credit.

Grade Level: 10-12

Units: ½ unit per semester or 1 Unit per semester

Physical Science (PHYSC)

The Physical Science course is designed to serve as a solid foundation for the study of the Physical Sciences. Topics to be investigated are phases of matter, force and motion, work, simple machines, conservation and transformation of energy, heat, waves, sound, light, electricity and magnetism. The role of the student in this course is to develop inquiry and problem solving skills within the context of scientific investigation. Students will apply what they learn to everyday situations by conducting investigations and formulating and testing their own hypotheses. This course is a prerequisite to subsequent college preparatory courses.

Grade Level: 9-12

Units: ½ unit per semester or 1 Unit per semester

HEALTH EDUCATION OFFERINGS

Health (HEA)

This health class explores the mental, physical, and social aspects of life and how each contributes to total health and well-being; emphasizes safety, nutrition, mental health, substance abuse prevention, disease prevention, environmental health, family life education, health careers, consumer health, and community health.

Grade Level: 9-12

Units: ½ unit per semester or 1 Unit per semester

FOREIGN LANGUAGE OFFERINGS

Spanish 1 (SPA1)

This class is an introduction to the language and culture of Spain and other Spanish-speaking countries. The course will enable students to attain a beginner's level of proficiency in listening, speaking, reading, and writing, with an emphasis on oral proficiency.

Grade Level: 9-12

Units: ½ unit per semester or 1 Unit per semester

Spanish 2 (SPA2)

This class is designed to further develop listening, speaking, reading and writing with an emphasis on oral proficiency. The student will acquire a basic command of key vocabulary and grammatical structures necessary for limited personal communication as well as an appreciation of diversity in the Spanish-speaking world.

Grade Level: 10-12

Units: 1/2 unit per semester

ELECTIVE OFFERINGS

Computer Applications (CAPP)

This introductory course will include a review of basic keyboarding fundamentals with an emphasis placed on preparing formal and informal communications, along with an introduction to Microsoft Excel, Microsoft Publisher, and Microsoft Power Point. Recommended for all students especially college bound students.

Grade Level: 9-12

Units: ½ unit per semester or 1 Unit per semester

Speech (SPEE)

Focuses on critical thinking, organizing, and communicating appropriately to different audiences; presents methods to develop and arrange ideas and information in written form for effective oral delivery. Emphasizes are placed on writing and public speaking skills.

Prerequisites: None
Grade Level: 9-12
Units: 1 unit per semester

Self-Determination 101

The purpose of this course is to develop and apply self-determination skills in school, home, community, and work settings. Course content includes self-awareness, self-advocacy, self-efficacy, personal and career planning, goal setting, independent performance, and self-evaluation.

Prerequisites: None (Required Elective)
Grade Level: 9-12
Units: 1/2 unit per semester

Work Study/Internship I (WKST1)

Provides on-the-job, site-based training experiences; requires special on-the job projects evaluated by the employer. Work study students & internship students may or may not be compensated.

Prerequisites: None
Grade Level: 9-12
Units: 1 unit per semester

Work Study/Internship II (WKST2)

Extends on-the-job, site-based training experiences; requires special on-the job projects that are evaluated by the employer. Evaluation is integral and ongoing. Work study students & internship students may or may not be compensated.

Prerequisites: None
Grade Level: 9-12
Units: 1 unit per semester

Creative Writing 1-4 (CRWT)

Provides opportunities to improve writing proficiency with emphasis on fluency, control, and style; emphasizes writing as a process with instruction in grammar, mechanics usage, and imaginative expression. Offers opportunities for independent writing assignments to examine narrative, descriptive, persuasive, and expository modes of discourse.

Prerequisites: 1, 2, 3
Grade Level: 9-12
Units: 1 unit per semester

Basic Reading 1-4 (BR)

Course provides systematic instruction for development and improvement of reading, learning, and critical thinking skills.

Prerequisites: 1, 2, 3

Grade Level: 9-12

Units: 1 unit per semester